

Y6 Overview and Curriculum links



**Family Maths
Toolkit**

Term	Topic	Activities	Main Curriculum link	Also covers
Autumn	Numbers (calculations)	Multiplication pyramid puzzle	Multiply multi digit numbers up to 4 digits, working systematically to find all possibilities.	Working systematically
		Juggling rings*	Use mental calculations to solve problems; working systematically.	
		How much?	Multiply/divide multi digit numbers, including decimals in the context of money to solve problems.	Currency conversion
	Numbers (FDPRP)	Sports - Sometimes, always, never	Reason and justify using a range of calculations including fractions and percentages.	Rounding to a degree of accuracy
		Exploding fireworks*	Problems involving the calculation of percentages and fractions.	
		FDP domino game	Recall and use simple fractions, decimals and percentages.	Identify the value of each digit in numbers up to 3 decimal places.
	Algebra	Balanced fruit equations*	Use simple formula, express missing number problems algebraically.	
	Geometry	Squash a box	Recognise, describe and build simple 3D shapes, including making nets.	
	Measurement	A mile of baked beans	Convert between miles and kilometres.	
A desert trek		Solve problems involving the calculation and conversion of units of measure of mass and volume.		

*Needs to be printed in colour

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Spring	Number (calculations)	Supermarket offers	Multiply and divide using whole numbers and up to 2 decimal places in the context of money.	Estimation. Rounding decimals; estimation. Estimation.
	Numbers (FDPRP)	Wizard Olympics	Solve problems using the calculation of percentages, fractions and ratio.	
		Clothes for tallest man	Solve problems involving similar shapes where the scale factor can be found.	
		Baked potatoes	Solve problems involving percentages and the use of percentages for comparison.	
	Algebra	Presents under the tree	Find pairs of numbers that satisfy an equation with two unknowns and enumerate possibilities of two variables.	
	Measurement	A feather or an elephant	Solve problems involving the calculation and conversion of units of measure (up to three decimal places where appropriate- this activity uses four decimal places).	
		World's longest nails	Solve problems involving the calculation and conversion of units of measure, using decimal notation, converting measurements of length.	
	Geometry	Angles all around you	Recognise angles where they meet at a point or are on a straight line.	
	Statistics	Fast skipping	Calculating the mean.	
Breakfast cereals*		Interpret and construct pie charts to solve problems.		

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Summer	Numbers (place value)	Eid biscuits	Solve problems which require answers to be rounded to specified degrees of accuracy (in the context of money to 2 decimal places).	Percentages, measurements.
	Algebra	Algebra is fun	Generate and express missing number problems algebraically; enumerate possibilities of combinations of two variables.	
	Measurement	Largest ever cake	Use and convert between units of measurement of length and volume using decimal notation; calculate, estimate and compare volume of cuboids using standard units including cm^3 and m^3 .	
		The weight of bears	Solve problems using units of measure (mass) using decimal notation up to three decimal places.	
	Geometry	Treasure map	Describe positions on the full coordinate grid (all four quadrants).	
		Going in circles	Illustrate and name parts of circles, including radius, diameter and circumference.	
		Shape human treasure hunt	Compare and classify geometric shapes based on their properties and sizes, and find unknown angles in triangles, recognise angles on a straight line.	
		Dream home Part 1	Calculate and compare the area of rectangles (including squares) and using standard units cm or m squared, estimate the area of irregular shapes.	
Statistics	Dream home Part 2	Calculate and compare the area of rectangles (including squares) and using standard units cm or m squared, estimate the area of irregular shapes; draw 2D shapes using dimensions and angles.	Recognise where it is possible to use formula for area.	
	What is happening?	Interpret and construct line graphs and use these to solve problems.		

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